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PATENT

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Patricia Meade *Patricia Meade*	

Applicant: Kenneth W. Baun, et al.
Serial No.: 09/427,386
Filed: October 25, 1999
Title: TELESCOPE SYSTEM HAVING AN INTELLIGENT MOTOR CONTROLLER
Examiner: Jennifer E. Winstedt
Group Art Unit: 2872
Atty Docket No.: 12187-12/JWE

#9/A
Am'd
J. Manilla
3/27/02

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RESPONSE TO OFFICE ACTION WITH MARKINGS TO SHOW CHANGES

Assistant Commissioner for Patents
Washington, D.C. 20231

Post Office Box 7680
Newport Beach, CA 92660-6441
February 15, 2002

Commissioner:

In response to the Office communication dated August 15, 2001, the time period for responding to which has been extended to February 15, 2002 by the accompanying Petition for Extension of Time and the statute fee, Applicant respectfully responds as follows:

IN THE CLAIMS

Please cancel claims 1-46.

Please add claims 55 – 88 as follows:

55. (New) An automated telescope system of the type including a telescope mounted for rotation about two substantially orthogonal axes, the automated telescope system comprising:

first and second motor portions, each coupled to rotate the telescope about a respective one of the axes, each motor portion including:

a motor having a rotatable shaft;

an incremental encoder coupled to the motor shaft, the encoder outputting signals corresponding to an amount of movement of its respective motor; and

an intelligent motor control processor, comprising a position register, the register storing a calculated actual extent of motor movement, the motor control processor coupled to receive encoder signals from a respective incremental encoder, the intelligent motor control processor calculating and outputting motor control commands in operative response thereto; and

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